

UNITED STATES MARINE CORPS
LOGISTICS OPERATIONS SCHOOL
MARINE CORPS COMBAT SERVICE SUPPORT SCHOOLS
TRAINING COMAND
PSC BOX 20041
CAMP LEJEUNE, NORTH CAROLINA 28541-0041

B410-1

STUDENT OUTLINE

MDSS II PRACTICAL APPLICATION

LEARNING OBJECTIVES:

1. **Terminal Learning Objective:** Given a computer, LOGAIS, unit's embarkation data, and the references, create a database in Logistics Automated Information System (LOGAIS) to ensure an accurate reflection of all unit assets are loaded into LOGAIS for deployment planning. (0431.01.05)

2. **Enabling Learning Objectives:**

a. Given the reference, a desktop computer, LOGAIS, and a list of units equipment and supplies, build a garrison database per the reference. (0431.01.05a)

b. Given a desktop computer, LOGAIS, a unit's garrison database, and the reference, configure the database for embarkation per the reference. (0431.01.05b)

c. Given a desktop computer, LOGAIS, a list of unit's database, and the references, construct reports showing unit equipment and supplies per the reference. (0431.01.05c)

d. Given a desktop computer, Logistics Automated Information System (LOGAIS), AIT equipment, Logistics Marking and Reading Symbols (LOGMARS) labels, a unit's database, and the reference, perform scanning operations to update the unit's database with tracking information per the reference. (0431.01.05d)

e. Given a desktop computer, LOGAIS, a list of a unit's equipment and supplies, and the reference, build a deployment database without using the UDL Workbench option per the reference. (0431.01.05o)

1. **SITUATION** A warning order has been published telling you that your unit will support Operation Maneuver with equipment and personnel.
2. **MISSION** You are tasked with creating your unit database in MDSSII for Company A, 2nd AAV Battalion, 2nd Marine Division. You are required to move elements of you unit's equipment and supplies by sea and air.
3. **EXECUTION** You will construct a unit garrison database, fulfill a higher headquarters requirement, configure your equipment for embarkation, track the movement and assign cargo to specific assets.
4. **ADMIN AND LOGISTICS** The following items will be used:
 - a. Student Outline B410-1
 - b. PC Suite
 - c. LOGAIS 6.0 Software
 - d. Symbol Portable Data Collection Terminal (PDT)
 - e. Student outlines B401-1, B402-1, B403-1, B406-1, and B407-1.
5. **COMMAND AND SIGNAL** The instructors are higher headquarters and will assist with guidance as necessary. The students will bring each report for each phase with enclosure (4) to higher headquarters for review prior to moving on to the next phase. There are 14 hours allotted to accomplish this mission. Failure to finish in the time allotted will result in loss of performance points for impeding the execution of this deployment.

PHASE I

1. **UNIT DATABASE** You have arrived at your unit to find that there is not an MDSSII database built. You retrieve information from your supply NCO as to what equipment you have in your company.

STEP 1: Create a new plan named **ALPHA COMPANY**

Plan name: ALPHA COMPANY
Classification: unclassified
EXERCISE
Remarks: blank

STEP 2: Create our UDL for the equipment Listed in Enclosure (1). Ensure that all information is updated and correct before submitting to higher headquarters.

STEP 3: Produce a report(s) that reflects the following information:

UIC
NSN
PKG ID
SERIAL NUMBER
ITEM ID
DESCRIPTION
LENGTH
WIDTH
HEIGHT
QTY
SQUARE FEET
CUBIC FEET
WEIGHT
JCS CARGO CAT
UPTT CODE
SECTION

STEP 4: Sort this report by UIC, NSN and PKG ID.

STEP 5: Ensure the printer is properly setup for landscape and label this report I-1 and include your rank and name in the sub-title. Print the report.

STEP 6: Have this report graded by an instructor before continuing.

PHASE II

1. **DEPLOYMENT PLANNING.** Higher headquarters requires your unit to supply equipment for Operation Maneuver and has constructed a MAGTF requirement for you to fulfill called TUCHA data. It is necessary for you to source from your unit database to update this notional data for higher headquarters to use in determining your lift requirement. Be aware that higher headquarters may have tasked your unit with bringing more equipment than you can support. Fulfill as much of the requirement as possible. Higher headquarters will be able to identify your shortfalls and task another unit to support them.

STEP 1. Receive higher headquarters import disk from the instructors.

STEP 2. Place the disk into the "A" drive. Select Interfaces, Import. Make sure the drive is set to "A", the interface type is LOGAIS (*.PEX, *.BAK). Select the file name **op maneuver.pex**. Select OK.

STEP 3. Open the **OP MANEUVER** plan.

STEP 4. Source the following equipment from the **ALPHA COMPANY** UDL to the **OP MANEUVER** UDL utilizing the UDL Workbench.

For ULN W31 A0

K4182	C2300	C3410	E1152
E1158	E1250	E0960	E0980
E0989	E0991	E0993	E0997
E0999	D1059	E0846	A1260
B1830	C4431	C4433	A2151
A2065	A2070	A2130	C2205
C6390	C6420	C2150	C4438
C4110	C4260	C4436	K4179
C4261	C6410	D0755	D0880

For ULN W31 B0

D1158	A1815	A2050	K4010
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STEP 5. Check your work.

STEP 6. Create an ADHOC report that shows the following information:

UIC
ULN
NSN
ITEM ID
PKG ID
DESCRIPTION
WEIGHT
UPTT
SECTION
CUBE
SQUARE
QTY

STEP 7. Label this report II-1 with your name as before. Sort the report by ULN, TAMCN, and PKID. Print the report landscape.

STEP 8. Have your report graded before moving on.

PHASE III

1. **CONFIGURING EQUIPMENT FOR EMBARKATION.** You need to task a working party to mobile load your vehicles and place your equipment into boxes, PALCONS and QUADCONS. You will do this by linking together items and printing a report that reflects the associations for your Marines to follow. Links can be established in either the Linker Modual or in the UDL.

STEP 1. Link the following packages:

<u>PARENT PKG ID</u>	<u>CHILD PKG ID</u>	<u>LINK TYPE</u>
C008	SUP98	PUTINTO
C009	SUP99	PUTINTO
C007	SUP100	PUTINTO
C006	SUP87	PUTINTO
C003	L3365	PUTINTO
C005	NBC05	PUTINTO
	NBC06	PUTINTO
4001	ARM02	PUTINTO
C004	E1341	PUTINTO
	E4443	PUTINTO
	E4453	PUTINTO
M6671	S7876	PUTINTO
557831	S0097	MOBILE
LOADED		
564776	144535	HITCHED
	33454	MOBILE
LOADED		
	44643	MOBILE
LOADED		
554673	166754	HITCHED
	A12908	MOBILE
LOADED		

LOADED	S9000	MOBILE
(CONTINUED ON NEXT PAGE)		
<u>PARENT PKG ID</u>	<u>CHILD PKG ID</u>	<u>LINK TYPE</u>
569907	23499	PUTINTO
566644	23487	PUTINTO

STEP 2. Create an Ad Hoc report to check your work. Drag in the following fields:

UIC
 PKG ID
 DESCRIPTION
 ITEM ID
 UP&TT
 SECTION
 PARENT PKG ID
 ASSOCIATION

STEP 3. Sort this report by Parent Pkg ID and Association.

STEP 4. Display the report.

STEP 5. Label the report III-1 with your name as before. Print the report in portrait.

STEP 6. Have this report graded by an instructor before continuing.

PHASE IV

1. **AUTOMATIC INFORMATION TECHNOLOGY II.** You are tasked to move equipment from the unit area to the point of embarkation. You positioned several PDT's at various check points along the route to track the movement of your unit to the airfield. LOGMARS location codes must be assigned before the operators can scan equipment at the various check points.

TASK 1 - LOCATION TABLE

STEP 1. Select Plan Data from the User menu.

STEP 2. Enter the following LOGMARS Location Codes in the Location Table:

<u>LOCATION CODE</u>	<u>DESCRIPTION</u>	<u>ZONE</u>	<u>GEOLOC CODE</u>	<u>RAILCAR</u>
AIRF	AIR FIELD			
SUPP	SUPPLY			
BTTN	BATTALION AREA			
CHK1	CHECK POINT #1			
CHK2	CHECK POINT #2			
YARD	MARSHALING AREA			
POOL	MOTOR POOL			
UVEH	UPPER VEHICLE			LHA-5

STEP 3. Print an ADHOC report off of the location table with the following fields:

AIT_LOCATION_CODE
AIT_DESCRIPTION
ZONE
GEOLOC_CODE
RAILCAR

STEP 4. Sort the report by AIT_LOCATION_CODE. Label the report IV-1 with your name, preview report and print.

STEP 5. Have this report graded by an instructor before continuing.

TASK 2 - INVENTORY

SITUATION. You are inspecting you cargo and you find that a item does not have a LOGMARS label on it.

STUDENT NOTE: *Ensure that the PDT is reset and calibrated then enter the equipment program. You DO NOT want to keep the previous records. Next, Choose PKG ID only and English.*

STEP 1. Enter the following record using the Inventory option in the PDT.

a. The location will be **SUPP**.

b. The MSE is **GCE**.

<u>NOMENCLATURE</u>	<u>UIC</u>	<u>NSN</u>	<u>PKG ID</u>	<u>LTI</u> <u>CODE</u>	<u>HT</u>	<u>WT</u>	<u>QTY</u>
M998, CARGO HMMWV MCSSS	2320011077155	566439	A	55	5060	1	

STUDENT NOTE: *You should have a total of 1 records in the PDT at this time.*

STEP 2. Press [F4] until you are back to the PDT's Equipment Main Menu.

TASK 3 - TRACKING LOCATIONS

SITUATION. You are assigned to a data collection team, and your location is upper vehicle stowage on an LHA.

STEP 1. Select Track Locations on the PDT.

a. The location will be **UVEH**.

b. The MSE is **GCE**.

STEP 2. Scan the labels located in Enclosure (2).

STUDENT NOTE: *After scanning, you should have 15 records in the PDT. STOP. Press [F4] until you are back at the Equipment Main Menu.*

TASK 4 - LINKING

SITUATION. While at the pier, your unit makes some last minute changes and decides to reconfigure the radios in the AAVs.

STEP 1. Enter the LINK modual of the equipment program.

- a. The location will be **YARD**.
- b. The MSE is **GCE**.

STEP 2. Using the PDT and the lables in Enclosure (2), complete the following associations.

STUDENT NOTE: *Remember to [F4] before moving on to the next Parent.*

PARENT		CHILD		ASSOCIATION TYPE
TYPE	SERIAL#	TYPE	SERIAL#	
E0846	A98830	RADIO SET	99923	PUTINTO
E0846	A98220	RADIO SET	99374	PUTINTO
E0846	A97782	RADIO SET	34567	PUTINTO
E0846	A90027	RADIO SET	77843	PUTINTO
E0846	A99830	RADIO SET	99284	PUTINTO
E0846	A90382	RADIO SET	99442	PUTINTO
E0846	A92263	RADIO SET	99758	PUTINTO

STUDENT NOTE: *Press [F4] on the PDT until you return to the Equipment Main Menu.*

TASK 5 - PDT UPLOAD

SITUATION. You are now ready to upload the collected LOGMARS data to your PC.

STEP 1. Ensure the PDT is firmly seated in the cradle.

STEP 2. Using the keypad of the PDT, select Data option. Select Cable upload.

STEP 3. On the PC, select AIT, RECEIVE DATA. Select SYMBOL, Cable Transfer. The COM Port is 1. The Baud rate will remain at 115200.

STEP 4. On the PDT select [OK].

STEP 5. The PDT is now empty of all records.

STEP 6. Open new data in the NEW CARGO TABLE. Select TOOLS, POST TO UDL to complete the download. POST TO UDL is only available when NEW CARGO TABLE is open. Do not add new NSNs to Techdata. Allow for INSERTS and UPDATE CHILD LOCATIONS

TASK 6 - REPORTS

STEP 1. Construct an ADHOC report using the NEWCARGO table with the following fields:

UIC
PKG ID
REJECT REASON

STEP 2. Label it IV-2 with your name and print in portrait.

STEP 3. Construct an ADHOC report using the CARGO TRACE table with the following fields:

UIC
NSN
PKG ID
AIT_LOCATION_CODE
DATE_TIME_GROUP

STEP 4. Sort the report by UIC, NSN, and PKG ID. Set the report up in portrait, label the report IV-3 with your name, preview the report and print.

STEP 5. Have these reports graded by an instructor before continuing.

TASK 7. - PROCESS REJECTION

SITUATION. You had an invalid UIC during the PDT upload.

STEP 1. Per the instructor's guidance edit your rejected record(s). Repost to UDL.

STEP 2. Update the new record by typing the correct Serial Number in the field and assign the ULN of W31 AO to this record.

STEP 3. To verify your work, drag in the following fields in an Ad Hoc report:

UIC
NSN
NSN_CONFIGURATION
PKG ID
SER NO
ITEM ID
DESCRIPTION
ULN
LTI CODE
QUANTITY PER CARGO
MSE
PARENT PKG ID
ASSOCIATION
AIT LOCATION CODE

STEP 4. Sort the report by Parent Pkg ID and Association. Preview the report.

STEP 5. Print the report landscape and label it IV-4 with your name.

STEP 6. Have this report graded by an instructor.

REPORT FORMAT

FIELD	HEADER	WIDTH	
UIC	UIC	7	
NSN	NSN	15	
PKG_ID	PKG ID	7	
SERIAL_NUMBER	SERIAL #	9	
NSN_CONFIGURATION	NSN CON	9	
ITEM_ID	TAMCN	8	
DESCRIPTION	DESC	20	
ULN	ULN	8	
LENGTH_IN	L	4	
WIDTH_IN	W	4	
HEIGHT_IN	H	4	
WEIGHT_LB	WGT	6	
QUANTITY_PER_CARGO	QTY	4	
JCS_CARGO_CATEGORY	JCS	4	
UPTT_CODE	UPTT	5	
SECTION	SEC	4	
ASSOCIATION	ASSOCIATION	12	
PARENT_PKG_ID	PARENT	7	
AIT_LOCATION_CODE	LOCATION	9	
REJECT_REASON	REJECT REASON	35	ALIGN TO RIGHT
DATE_TIME_GROUP	DTG	10	
LTI_CODE	LTI	4	
MSE	MSE	4	
CUBIC FEET	CUFT	5	
SQUARE FEET	SQFT	5	

MDSS II PRACTICAL APPLICATION

GRADING SHEET

NAME: _____

DATE/TIME COMPLETED: _____ / _____ GRADE: _____ %

PHASE I:

I-1. _____

PHASE II-1. _____

PHASE III-1. _____

PHASE IV:

IV-1. _____

IV-2. _____

IV-3. _____

IV-4. _____